SEQUENCE LISTING

<110> Ferby, Ingvar Nebreda, M. Angel

- <120> Protein with cell proliferation and cell division modulating activity and DNA encoding such protein
- <130> 2923-497
- <140> US 09/889592
- <141> 2001-08-02
- <150> PCT/EP00/00877
- <151> 2000-02-03
- <150> EP 99102172.6
- <151> 1999-02-03
- <160> 4
- <170> PatentIn Ver. 2.1
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- <211> 1575
- <212> DNA
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- tttategeca tttggccagt ggtggctaag egectgaagg tggetgette etttgeteaq 180
- atcaaccete gggeeggtgt ecceetttet aca atg agg cae atg cag agt gta 234 Met Arg His Met Gln Ser Val
- acc cgg gcc agc tcc att tgt ggc agc ggg gtg aag cag gtc att ggc 282
 Thr Arg Ala Ser Ser Ile Cys Gly Ser Gly Val Lys Gln Val Ile Gly
 10 15 20
- aag ggg dat deg dad gdd dgg gtt gtt gga geg dgd aag geg daa atd 330 Lys Gly His Pro His Ala Arg Val Val Gly Ala Arg Lys Ala Gln Ile 25 30 35
- cct gag aga gag gag ttg tca gtc aaa ccc aaa atg gtg cga aat acc 378 Pro Glu Arg Glu Glu Leu Ser Val Lys Pro Lys Met Val Arg Asn Thr 40 45 50 55

			cta Leu													426
			cag Gln 75													474
			aag Lys				_	_	-		_			_		522
			ctc Leu													570
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tat Tyr	gaa Glu	atc Ile	ttc Phe	ccc Pro 140	tgg Trp	gca Ala	cta Leu	gga Gly	gac Asp 145	tcg Ser	tgg Trp	cgt Arg	gag Glu	ctt Leu 150	ttc Phe	666
cca Pro	caa Gln	ttt Phe	ttg Leu 155	cgt Arg	ctc Leu	cgg Arg	gac Asp	gac Asp 160	ttc Phe	tgg Trp	gct Ala	aaa Lys	atg Met 165	aac Asn	tac Tyr	714
			gtt Val													762
			tgg Trp													810
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cca Pro	ggc Gly	ctt Leu	aca Thr	cca Pro 220	gcc Ala	agc Ser	tgt Cys	aca Thr	ctt Leu 225	tgc Cys	cat His	aaa Lys	gca Ala	ggt Gly 230	gtc Val	906
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gag Glu	att Ile	ttt Phe 250	cac His	tac Tyr	acc Thr	aat Asn	agg Arg 255	gag Glu	tgg Trp	tcc Ser	cag Gln	gag Glu 260	ctt Leu	ctc Leu	atg Met	1002
ttg Leu	ccc Pro 265	cct Pro	gag Glu	ctg Leu	ttg Leu	ctg Leu 270	gat Asp	ccc Pro	gag Glu	tgt Cys	act Thr 275	cat His	gac Asp	tta Leu	cac His	1050

att ctc cag gag cca ttg gtt gga tta gag cca gat ggg acg gcg ctg Ile Leu Gln Glu Pro Leu Val Gly Leu Glu Pro Asp Gly Thr Ala Leu 280 285 290 295	1098
gaa tgg cac cac ctt tagtageega ttgteteete egagetttta ttetteteta Glu Trp His His Leu 300	1153
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atc att gcc aag gga cat ccg aat acc cgg gtt ttt gga gcg cgc aag Ile Ile Ala Lys Gly His Pro Asn Thr Arg Val Phe Gly Ala Arg Lys 25 30 35	270
gcg aaa atc cct gag aga gag gtg cta gca gcc aaa ccc aag atc acg Ala Lys Ile Pro Glu Arg Glu Val Leu Ala Ala Lys Pro Lys Ile Thr 40 45 50	318

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					gag Glu											414
					gac Asp 90											462
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					ttc Phe											606
					tta Leu											654
					gtt Val 170											702
					tgg Trp											750
					ggt Gly											798
					aca Thr											846
					ggt Gly											991
					tac Tyr 250											942
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265	270	27

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Pro Lys Met Val Arg Asn Thr His Leu Asn Leu Gln Pro Gln Glu Arg 50 55 60

Gln Ala Phe Tyr Arg Leu Leu Glu Asn Glu Gln Ile Gln Glu Phe Leu 65 70 75 80

Ser Met Asp Ser Cys Leu Arg Ile Ser Asp Lys Tyr Leu Ile Ala Met

Val Leu Ala Tyr Phe Lys Arg Ala Ala Gly Leu Tyr Thr Ser Glu Tyr
100 105 110

Thr Thr Met Asn Phe Phe Val Ala Leu Tyr Leu Ala Asn Asp Met Glu 115 120 125

Glu Asp Glu Glu Asp Tyr Lys Tyr Glu Ile Phe Pro Trp Ala Leu Gly 130 135 140

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Phe	Trp	Ala	Lys	Met 165	Asn	Tyr	Arg	Ala	Val 170	Val	Ser	Arg	Arg	Cys 175	Cys
Asp	Glu	Val	Met 180	Ser	Lys	Asp	Pro	Thr 185	His	Trp	Ala	Trp	Leu 190	Arg	Asp
Arg	Pro	Met 195	His	His	Ser	Gly	Ala 200	Met	Arg	Gly	Tyr	Leu 205	Arg	Asn	Glu
Asp	Asp 210	Phe	Phe	Pro	Arg	Gly 215	Pro	Gly	Leu	Thr	Pro 220	Ala	Ser	Cys	Thr
Leu 225	Cys	His	Lys	Ala	Gly 230	Val	Cys	Asp	Ser	Gly 235	Gly	Val	Ser	His	Asn 240
Asn	Ser	Ser	Ser	Pro 245	Glu	Gln	Glu	Ile	Phe 250	His	Tyr	Thr	Asn	Arg 255	Glu
Trp	Ser	Gln	Glu 260	Leu	Leu	Met	Leu	Pro 265	Pro	Glu	Leu	Leu	Leu 270	Asp	Pro
Glu	Cys	Thr 275	His	Asp	Leu	His	Ile 280	Leu	Gln	Glu	Pro	Leu 285	Val	Gly	Leu
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Pro Lys Ile Thr Arg Ile Thr His Leu Asn Leu Gln Pro Gln Glu Arg
50 55 60

Gln Ala Phe Tyr Arg Leu Leu Glu Asn Glu Leu Ile Gln Glu Phe Leu 65 70 75 80

Ser Met Asp Ser Cys Leu Lys Ile Ser Asp Lys Tyr Leu Ile Ala Met 85 90 95

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Trp Ala	Lys	Met	Asn 165	Tyr	Arg	Ala	Val	Val 170	Ser	Arg	Arg	Cys	Cys 175	Asp
Glu Val	Met	Ala 180	Lys	Asp	Pro	Thr	His 185	Trp	Ala	Trp	Leu	Arg 190	Asp	Arg
Pro Ile	His 195	His	Ser	Gly	Ala	Leu 200	Arg	Gly	Tyr	Leu	Arg 205	Asn	Glu	Asp
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Cys His 225	Lys	Ala	Ser	Val 230	Cys	Asp	Ser	Gly	Gly 235	Val	Ser	His	Asp	Asn 240
Ser Ser	Pro	Glu	Gln 245	Glu	Ile	Phe	His	Tyr 250	Thr	Asn	Arg	Glu	Trp 255	Ser
Gln Glu	Leu	Leu 260	Ile	Leu	Pro	Pro	Glu 265	Leu	Leu	Leu	Asp	Pro 270	Glu	Ser
Thr Tyr	Asp 275	Ile	His	Ile	Phe	Gln 280	Glu	Pro	Leu	Val	Gly 285	Leu	Glu	Pro
Asp Gly 290		Ala	Leu	Glu	Trp 295	His	His	Leu						